

## CLAIMS

1. Composition comprising an ester of a polyol and a  
5 mixture of fatty acids, wherein at least a part (I) of  
the esterified fatty acids has a chain length of 5-12  
carbon atoms and another part (II) of the esterified  
fatty acids has a chain length of 16-22 carbon atoms,  
and wherein the composition has a viscosity of 7000  
10 mm<sup>2</sup>/s or less, when tested according to ASTM (D2531).
2. Composition according to claim 1, characterized in  
that the composition has a viscosity of 5000 mm<sup>2</sup>/s or  
less, when tested according to ASTM (D2531).  
15
3. Composition according to claim 1 or 2, characterized  
in that the ratio of esterified short chain fatty acid  
(I):long chain fatty acid (II) is between 2:1 and 1:20  
by weight.  
20
4. Composition according to claim 3, characterized in  
that the ratio (I):(II) is between 1:1 and 1:10 by  
weight.
- 25 5. Composition according to any of claims 1-4,  
characterized in that the composition is substantially  
free of an emulsifier.
6. Composition according to any of claims 1-5,  
30 characterized in that it further comprises an anti-  
oxidant.
7. Composition according to any of claims 1-6,  
characterized in that it further comprises a viscosity  
35 index (VI) improver.
8. Composition according to any of claims 1-7,

characterized in that it further comprises an anti-wear compound.

- 5 9. Composition according to any of claims 1-8, characterized in that it further comprises an anti-foam compound.
- 10 10. Composition according to any of claims 1-9, characterized in that it comprises substantially no pourpoint depressant.
- 15 11. Composition according to any of claims 1-10, characterized in that the polyol is selected from the group consisting of TMP, PE, NPG, di-TMP, tri-TMP, di-PE, tri-PE.
12. Composition according to claim 11, characterized in that the polyol comprises TMP.
- 20 13. Composition according to any of claims 1-12, characterized in that the short chain fatty acids comprise branched or straight chain C8 or C10 fatty acids, or mixtures thereof.
- 25 14. Composition according to any of claims 1-13, characterized in that the long chain fatty acids comprise oleic acid or isostearic acid.
- 30 15. Composition according to any of claims 1-14, characterized in that the fatty acid ester is present in an amount of at least 75% by weight, based on the total composition.
- 35 16. Use of the compositions according to any of claims 1-15 in the manufacture of hydraulic fluids.
17. Use of the compositions according to any of claims 1-

15 in hydraulic equipment.

18. Use according to claim 17, characterized in that the hydraulic equipment is part of a mobile system.

5

- 
19. Method for the manufacture of hydraulic fluids, comprising the esterification of a polyol with a mixture of fatty acids, characterized in that at least a part of the fatty acids has a short chain length (5-12 carbon atoms) and another part of the fatty acids has a long chain length (16-22 carbon atoms), and optionally mixing the resulting mixed ester with other components.
- 10